Wednesday, May 13, 2026

Plaslube® TPEL TS12 02 HS

Techmer Polymer Modifiers - *Thermoplastic Elastomer*

Units SI

Action **Legend (Open)**

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Additive	• Heat Stabilizer	• Lubricant
Features	• Heat Stabilized	• Lubricated
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	66900	MPa	ASTM D638
Tensile Strength (Break)	11.7	MPa	ASTM D638
Tensile Elongation (Break)	430	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	37		ISO 868

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	179 to 199	°C
Middle Temperature	191 to 210	°C
Front Temperature	199 to 221	°C
Nozzle Temperature	199 to 221	°C
Processing (Melt) Temp	179 to 221	°C
Mold Temperature	10 to 35	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Slow-Moderate	

Notes

[1] Typical properties: these are not to be construed as specifications.

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